


SAFETY DATA SHEET	
Haifa ProteK	1 of 9

Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation") and REGULATION (EC) No 1272/2008 (CLP)

Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: Haifa ProteK
Trade names: Haifa ProteK
Fertilizer formula: 0-52*-37
Product type: Solid/ Preparation

1.2 Relevant identified uses of the substance or mixture and uses advised against

Common/important uses of the substance/preparation:

Supplemental fertilizer for foliar and soil application

1.3 Details of the supplier of the safety data sheet

Company/undertaking identification

European Importer:

Haifa Chemicals Northern Europe
 Generaal de Wittelaan 17, bus 16
 B-2800 Mechelen, Belgium
 Tel: +32-15-270811
 Fax: +32-15 270815
 E-mail: NorthWestEurope@haifa-group.com

Other Countries Importer

Supplier/Manufacturer:

Haifa Chemicals Ltd.
 P.O.Box 15011, Matam-
 Haifa, 31905, Israel
 Tel: +972-74-7373737
 Fax: +972-74-7373733
 E-mail: Regulatory@haifa-group.com

E-mail address of person responsible for this SDS: Regulatory@haifa-group.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation): +972-74-7373737


CHEMTREC (U.S.): 1-800-424-9300

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance to Regulation(EC) No. 1272/2008 (CLP/GHS)

Product name	CLP/GHS Classification
Haifa ProteK	Eye Irrit. 2; H319

SAFETY DATA SHEET	
Haifa ProteK	2 of 9

Classification according to Directive 67/548/EEC (DSD) or 1999/45/EC

Product name	EU Classification
Haifa ProteK	Xi; R36

2.2 Label elements

Labeling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms:



Signal word: Warning

Hazard statements:

H319: Causes serious eye irritation.

Precautionary Statements:

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+313: Get medical advice/attention.

Labelling in accordance with 1999/45 (DPD)

Hazard symbol(s):

Xi- irritant



Risk phrases(s):


R36: Irritating to eyes.

Safety phrases(s):

S25: Avoid contact with eyes.

2.3 Other hazard

None

SAFETY DATA SHEET	
Haifa ProteK	3 of 9

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture:

Product/ Ingredient name	Identifiers	%	EU Classification	CLP/GHS Classification
Mono Potassium Phosphate	CAS : 7778-77-0 EINECS: 231-913-4	40-60	Not classified	Not classified
Mono Potassium Phosphite	CAS : 13977-65-6 EINECS: N/A	40-60	Xi; R36	Eye Irrit. 2; H319

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.
See section 16 for the full text of the H-statements and R-phrases declared above.

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

- Eyes contact:** In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation occurs.
- Skin contact:** Avoid prolonged or repeated contact with skin. After handling, always wash hands thoroughly with soap and water. Get medical attention if irritation develops.
- Inhalation:** If respiratory irritation or distress occurs, remove victim to fresh air. Get medical attention if respiratory irritation or distress continues.
- Ingestion:** If large quantities of this material are swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Irritating to eyes. Dusts may cause upper respiratory tract irritation and gastrointestinal irritation.


Possibly Aggravated by Overexposure

Problems such as asthma, emphysema or bronchitis.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: In case if inhalation of decomposition products I a fire, symptoms may be delayed. The exposure person may need to be kept under medical surveillance for 48 hours.

Special treatments: No specific treatment

SAFETY DATA SHEET	
Haifa Protek	4 of 9

Section 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable: Use an extinguishing agent suitable for surrounding fire.

Not suitable: N/A

5.2 Special hazards arising from the substance or mixture

Non-combustible.

Thermal decomposition products are dependent on temperature. Under fire - hydrogen, phosphine (highly flammable gases), oxides of potassium, oxides of phosphorous.

5.3 Advice for firefighters

Special protective equipment for fire fighters: Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Move containers from fire area if possible to do so without risk

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Ventilate area of spill.

6.2 Environmental precautions

Avoid contact of spilt material and runoff with soil and surface waterways.

6.3 Methods and materials for containment and cleaning up

Small spill: Use appropriate tools to put the spilled solid in convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large spill: Use a shovel to put the material into convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuate through the sanitary system.

Personal Protection in Case of Large Spill: Safety glasses. Full suit. Dust respirator. Boots. Gloves. A self- contained breathing apparatus should be used to avoid inhalation of the product.

6.4 Reference to other sections

See Section 1 for emergency contact information


Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: Avoid direct or prolonged contact with eyes and skin. Avoid breathing dust. Wash thoroughly after handling.

Hygiene Measures:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

SAFETY DATA SHEET	
Haifa Protek	5 of 9

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep container tightly closed. Store in an area that is cool, dry, well ventilated, isolated from all toxic and harmful substances. Protect from humidity. Keep away from strong oxidizing agents and strong acids.

7.3 Specific use(s): N/A

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values: N/A

8.2 Exposure controls

Engineering Measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Person Protective measures:

Respiratory protection: Dust respirator. Be sure to use an approved/certified or equivalent. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective disposable gloves to prevent skin exposure.

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: White Solid, Hygroscopic powder.

Odour: Odorless

Odour threshold: N/A

pH: 4.0 to 4.4 (Conc. (%w/w): 10) [Acidic]

Melting point/Freezing point: Not applicable


Initial boiling point/boiling range: Not applicable

Flash point: Not applicable

Evaporation rate: Not Volatile

Flammability: Not flammable

Upper/lower flammability or explosive limits: N/A

SAFETY DATA SHEET	
Haifa Protek	6 of 9

Vapor pressure: Not volatile
 Vapor density: Not Volatile
 Relative Density: >1 g/cm³
 Solubility(ies): Soluble in water
 Partition coefficient Octanol/Water: <1; the product is more soluble in water.
 Auto-ignition temperature: Not applicable
 Decomposition temperature: >180°C (356 F)
 Viscosity: Not Viscous
 Explosive properties: Not explosive
 Oxidizing properties: N/A

9.2 Other information:

VOC: Not an organic compound
 Apparent (Bulk) Density: 0.9-1.25 g/cm³ at 25°C

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients

10.2 Chemical stability

The product is stable under normal handling and storage conditions described in Section 7.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Dusting conditions, extreme humidity, excess heat.

10.5 Incompatible materials

Strong oxidizing agents, strong acids.

10.6 Hazardous Decomposition products:

N/A

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: N/A

Irritation: N/A

Corrosivity: N/A


Sensitization: N/A

Repeated dose toxicity: N/A

Carcinogenicity: N/A

Mutagenicity: N/A

Toxicity for reproduction: N/A

SAFETY DATA SHEET	
Haifa Protek	7 of 9

Other effects: N/A

Potential health effects

Inhalation: Harmful by inhalation. Dusts may cause upper respiratory tract irritation.

Ingestion: Harmful if swallowed. Ingestion of large quantities may cause gastrointestinal irritation, vomiting, and diarrhea.

Skin contact: Essentially non-irritating.

Eyes contact: Dusts have a dehydrating effect and may cause irritation at high concentrations.

Potential Chronic health effects

Hazardous in case of eye contact (irritant) and of inhalation (lung irritant).

Ingestion of large quantities may cause gastrointestinal irritation, vomiting, and diarrhea.

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Very low toxicity to animals.

12.2 Persistence and Degradability

Persistence: Not applicable, since inorganic substance.

Degradability: Not applicable, since inorganic substance.

Degradability in sewage works: Slow hydrolysis to orthophosphate form.

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

Mobility: Soluble in water

12.5 Results of PBT and vPvB assessment

Not available

12.6 Other adverse effects

Substances which have an unfavorable influence on the oxygen balance and can be measured using parameters such as BOD, COD, etc.: Absence


Substances which contribute to eutrophication: Phosphates (52% as P₂O₅) may contribute to eutrophication.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SAFETY DATA SHEET	
Haifa Protek	8 of 9

Packing

Empty containers should be taken for local recycling, recovery or waste disposal.

Section 14: TRANSPORT INFORMATION

14.1 Un number:

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

14.2 Proper shipping name:

ADR/RID: -

IMDG: -

IATA: -

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazard

ADR/RID: -

IMDG: -

IATA: -

14.6 Special precautions for user

Not available

14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code

Not available

Section 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Directives 67/548/EEC and 1999/45/EC (including amendments)
and EU Regulation(EC) No.1907/2006 (REACH), No 1272/2008 (CLP)

15.2 Chemical safety assessment

N/A

Section 16: OTHER INFORMATION

Full text of R-phrases referred to in section 3:

Xi-irritant

R36: Irritating to eyes.


Full text of Hazards Statements referred to in section 3:

Eye Irrit. - Serious eye irritation

H319: Causes serious eye irritation.

Training advice: Before using/handling the product one must read carefully present MSDS.

Recommended restriction: N/A

SAFETY DATA SHEET	
Haifa Protek	9 of 9

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

R-phrases- Risk phrases

S-phrases- Safety phrases

Date of issue: 03/11/2011

Date of revision: 17/02/2014

Version no.2 (updated classification of Potassium Phosphite)

To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.